(19) World Intellectual Property **Organization**

International Bureau



(43) International Publication Date 17 February 2005 (17.02.2005)

PCT

(10) International Publication Number WO 2005/015245 A2

(51) International Patent Classification7: B25J 9/10

G01R 1/073,

(21) International Application Number:

PCT/US2004/025172

(22) International Filing Date: 3 August 2004 (03.08.2004)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data: 60/492,849

6 August 2003 (06.08.2003)

(71) Applicant (for all designated States except US): INTEST IP CORPORATION [US/US]; 7 Esterbrook Lane, Cherry Hill, NJ 08003 (US).

(72) Inventor; and

- (75) Inventor/Applicant (for US only): MUELLER, Christian [DE/DE]; Arnulfstrasse 53, 83026 Rosenheim (DE).
- (74) Agent: ASHERY, Lawrence, E.; RatnerPrestia, P.O. Box 980, Valley Forge, PA 19482 (US).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

without international search report and to be republished upon receipt of that report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: TEST HEAD POSITIONING SYSTEM

(57) Abstract: An apparatus (1) for manipulating a load includes a first support structure (60) for supporting the load and a second support structure (4) for supporting the load. The apparatus also includes a coupling (3) coupled between the first support structure (60) and the second support structure (4). The coupling (30) includes a compliant mechanism (340a) for providing a compliant range of motion to the load about a rotative axis where a center of gravity of the load is located away from the rotative axis. The rotative axis is a non-vertical axis.

